<u>IN THE CLAIMS</u>

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (Currently Amended) ~~Method~~ <u>A method</u> of adjusting at least one parameter for ~~the~~ compression of data representing physical quantities <u>into compressed data</u>, the compressed data then being coded according to a coding mode in order to protect ~~them against~~ <u>the compressed data from</u> transmission errors, ~~characterised in that it includes~~ <u>the method including,</u> as from a required compressed data size ~~(R_T)~~, the steps of:

[[-]] determining ~~($E2$)~~ at least one characteristic ~~(S)~~ of ~~the~~ <u>said</u> coding mode<u>;</u> [[,]]

[[-]] determining ~~($E5, E6$)~~ an effective size ~~(R)~~ of the compressed data according to the required size and ~~said~~ <u>the</u> at least one characteristic<u>; and</u> [[,]]

[[-]] adjusting at least one compression parameter ~~($E7$)~~ according to the effective size.

2. (Currently Amended) ~~Method~~ <u>A method</u> of compressing data representing physical quantities <u>into compressed data,</u> and coding the compressed data in order to protect ~~them against~~ <u>the compressed data from</u> transmission errors, ~~characterised in that it includes~~ <u>the method including,</u> as from a required compressed data size ~~(R_T)~~, the steps of:

[[-]] determining (E2) at least one characteristic (S) of the said coding

mode; [[,]]

[[-]] determining (E5, E6) an effective size (R) of the compressed data

according to the required size and said the at least one characteristic; [[,]]

[[-]] adjusting (E7) at least one compression parameter according to the

effective size; [[,]]

[[-]] compressing (E7) the data; and [[,]]

[[-]] coding (E9) the compressed data.

3. (Currently Amended) Method The method according to Claim 1 or 2,

characterised in that which the required size is determined automatically.

4. (Currently Amended) Method The method according to any one of

Claims 1 or 2, characterised in that which the required size is determined according to

constraints related to the subsequent decoding and decompression of the data.

5. (Currently Amended) Method The method according to any one of

Claims 1 or 2, characterised in that the which said coding mode processes the data by

groups of predetermined length, and said the at least one characteristic (S) of the said

coding mode is the predetermined length.

6. (Currently Amended) ~~Method~~ The method according to any one of Claims 1 or 2, ~~characterised~~ in ~~that the~~ which said coding mode is a turbocoding and the characteristic ~~(S)~~ is an interleaving length of the turbocoding.

7. (Currently Amended) ~~Method~~ The method according to any one of Claims 1 or 2, ~~characterised~~ in ~~that the~~ which said coding mode is a convolutional coding.

8. (Currently Amended) ~~Method~~ The method according to any one of Claims 1 or 2, ~~characterised~~ in ~~that~~ which the adjustment of at least one compression parameter is a control of the throughput ~~(E7)~~ of the compressed data in order to obtain the effective size.

9. (Currently Amended) ~~Method~~ The method according to any one of Claims 1 or 2, ~~characterised~~ in ~~that~~ which the compression parameter is the effective size.

10. (Currently Amended) ~~Method~~ The method according to any one of Claims 1 or 2, ~~characterised~~ in ~~that~~ which the compression parameter is the resolution of the data after ~~their~~ decompression.

11. (Currently Amended) ~~Method~~ The method according to any one of Claims 1 or 2, ~~characterised~~ in ~~that~~ which the compression parameter is a ~~quantisation~~ quantization step.

12. (Currently Amended) ~~Method~~ The method according to Claim 6, ~~characterised~~ in ~~that~~ which the effective size ~~(R)~~ is an integer multiple of the interleaving length ~~(S)~~.

13. (Currently Amended) ~~Method~~ The method according to any one of Claims 1 or 2, ~~characterised~~ in ~~that~~ which the effective size ~~(R)~~ is determined by rounding the required size ~~(R$_f$)~~.

14. (Currently Amended) ~~Device~~ A device for adjusting at least one parameter for compressing data representing physical quantities into compressed data, the compressed data then being coded according to a coding mode in order to protect ~~them~~ ~~against~~ the compressed data from transmission errors, ~~characterised in that it has~~ comprising:

[[-]] means ~~(40, 41)~~ of determining at least one characteristic ~~(S)~~ of ~~the~~ said coding mode; [[,]]

[[-]] means ~~(40)~~ of determining an effective size ~~(R)~~ of the compressed data according to a required compressed data size ~~(R$_f$)~~ and ~~said~~ the at least one characteristic; and [[,]]

[[-]] means ~~(26)~~ of adjusting at least one compression parameter according to the effective size.

15. (Currently Amended) ~~Device~~ A device for compressing data representing physical quantities, and coding the compressed data in order to protect ~~them against~~ the compressed data from transmission errors, ~~characterised in that it has~~ comprising:

[[-]] means ~~(40, 41)~~ of determining at least one characteristic ~~(S)~~ of ~~the~~ said coding mode; [[,]]

[[-]] means ~~(40)~~ of determining an effective size ~~(R)~~ of the compressed data according to a required compressed data size ~~(R_r)~~ and ~~said~~ the at least one characteristic; [[,]]

[[-]] means ~~(26)~~ of adjusting at least one compression parameter according to the effective size; [[,]]

[[-]] means ~~(2)~~ of compressing the data; and [[,]]

[[-]] means ~~(3)~~ of coding the compressed data.

16. (Currently Amended) ~~Device~~ The device according to Claim 14 or 15, ~~characterised in that it is~~ adapted to determine the required size automatically.

17. (Currently Amended) ~~Device~~ The device according to any one of Claims 14 or 15, ~~characterised in that it is~~ adapted to determine the required size according to constraints related to ~~the~~ subsequent decoding and decompression of the data.

18. (Currently Amended) ~~Device~~ The device according to any one of Claims 14 or 15, ~~characterised~~ in ~~that the~~ which said coding means process the data by

groups of predetermined length, and ~~said~~ the at least one characteristic ~~(S)~~ of ~~the~~ said

coding mode is the predetermined length.

19. (Currently Amended) ~~Device~~ The device according to any one of

Claims 14 or 15, ~~characterised~~ in ~~that the~~ which said coding means use a turbocoding

~~whose~~ having a characteristic ~~(S)~~ which is an interleaving length of the turbocoding.

20. (Currently Amended) ~~Device~~ The device according to any one of

Claims 14 or 15, ~~characterised~~ in ~~that the~~ which said coding means use a convolutional

coding.

21. (Currently Amended) ~~Device~~ The device according to any one of

Claims 14 or 15, ~~characterised~~ in ~~that the~~ which said means ~~(26)~~ of adjusting at least one

compression parameter use a control of the throughput of the compressed data in order to

obtain the effective size.

22. (Currently Amended) ~~Device~~ The device according to any one of

Claims 14 or 15, ~~characterised in that it is~~ adapted to consider a compression parameter

which is the effective size.

23. (Currently Amended) ~~Device~~ The device according to any one of Claims 14 or 15, ~~characterised in that it is~~ adapted to consider a compression parameter which is the resolution of the data after ~~their~~ decompression.

24. (Currently Amended) ~~Device~~ The device according to any one of Claims 14 or 15, ~~characterised in that it is~~ adapted to consider a compression parameter which is a ~~quantisation~~ quantization step.

25. (Currently Amended) ~~Device~~ The device according to Claim 19, ~~characterised in that it is~~ adapted to consider an effective size ~~(R)~~ which is an integer multiple of the interleaving length ~~(S)~~.

26. (Currently Amended) ~~Device~~ The device according to any one of Claims 14 or 15, ~~characterised in that it is~~ adapted to consider an effective size ~~(R)~~ which is determined by rounding the required size ~~(R_T)~~.

27. (Currently Amended) ~~Adjustment~~ The device according to Claim 14, ~~characterised~~ in ~~that the~~ which said determination and adjustment means are incorporated in:

[[-]] a microprocessor ~~(100)~~,

[[-]] a read only memory ~~(102)~~ containing a program for processing the data, and

[[-]] a random access memory ~~(103)~~ containing registers adapted to record variables modified during the running of said program.

28. (Currently Amended) ~~Data compression and coding~~ A device according to Claim 15, ~~characterised~~ in ~~that the~~ which said determination, adjustment, compression and coding means are incorporated in:

[[-]] a microprocessor ~~(100)~~,

[[-]] a read only memory ~~(102)~~ containing a program for processing the data, and

[[-]] a random access memory ~~(103)~~ containing registers adapted to record variables modified during the running of said program.

29. (Currently Amended) ~~System~~ A system including a device according to any one of Claims 14 or 15, and a second corresponding data decoding and decompression device, ~~characterised~~ in ~~that~~ which the required size is determined according to constraints related to the decoding and decompression of the data.

30. (Currently Amended) ~~Apparatus (10)~~ An apparatus for processing a digital image, ~~characterised in that it has~~ having means adapted to implement the method according to any one of Claims 1 or 2.

31. (Currently Amended) ~~Apparatus (10)~~ An apparatus for processing a digital image, ~~characterised in that it includes~~ including the device according to any one of Claims 14 or 15.

32. (Currently Amended) ~~Storage~~ <u>A storage</u> medium storing a program for implementing the method according to any one of claims 1 or 2.

33. (Canceled)

34. (Currently Amended) ~~Storage~~ <u>The storage</u> medium according to claim 32, ~~characterised~~ in ~~that~~ <u>which</u> said storage medium is a floppy disk or a CD-ROM.